



SMALL ARMS GUNFIRE FLASH-NOISE SIMULATOR, DEVICE 3F63B

TRAINING CATEGORY:

ARMAMENT (Small Arms)

ORIGINATING AGENCY:

MARCORPS

SECURITY CLASSIFICATION:

Device 3F63B is unclassified.

INTENDED USE:

To provide simulated small-arms gunfire (rifle or machinegun noise) for infantry training, thus adding realism to day or night maneuvers, and conditioning trainees to the sound of operational small caliber weapons.

FUNCTIONAL DESCRIPTION:

Device 3F63B consists of a gun simulator, a gas supply, and an AC to DC converter. Outwardly, the device resembles a real machinegun. The simulator may be fired locally or remotely.

It fires single shots or bursts using a metered amount of oxygen and propane that is ignited inside the barrel by a spark plug.

An instructor may fire the device remotely while observing results. This allows more controlled training and greater safety than real weapons.

A number of these devices may be operated simultaneously by one (1) operator. This can be accomplished by locating remote trigger switches for all related devices at a common location. One maintenance man can normally service up to ten (10) devices, depending on local conditions.

PHYSICAL INFORMATION:

Number of Pieces: Three (3)

Size: Gun Simulator 51" x 19" x 46"
 Gas Supply 13" x 12" x 22"
 Converter 8" x 7"

Weight: Gun Simulator - 36 lbs.
 Gas Supply - 138 lbs.
 Converter - 6 lbs.

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ENVIRONMENTAL CHARACTERISTICS:

The simulator is not waterproof and should not be submersed in water. Upon completion of the training exercise, simulator should be removed to a storage area, or protected.

EQUIPMENT REQUIRED (NOT SUPPLIED):

One (1) AC power cable with trigger assembly
One (1) charge of propane for propane cylinder
One (1) charge of oxygen for oxygen cylinder
One (1) oxygen-acetylene 6-way wrench
One (1) Spark-plug wrench
One (1) Philip Head screwdriver

INSTALLATION AREA:

Gun Simulator: 52" x 46"
Gas Supply: 13" x 12" x 22"
Converter: 8" x 7"

The Gun Simulator and Gas Supply are interconnected by 8' hoses. The Gun Simulator and Converter are interconnected by a cable.

POWER REQUIREMENTS:

110/220 VAC, 60 Hz. or 24 VDC

PUBLICATIONS FURNISHED:

Maintenance Handbook with Parts List for Small Arms Gunfire Noise Simulator, NAVTRADEV P-3647.

PERSONNEL:

Instructor: One (1)
Trainees: Unlimited
Operator: Instructor-Operated
Maintenance: One (1) man can normally service ten (10) devices.

CONTRACT IDENTIFICATION:

Manufactured by Joannell Labs. Inc., Livingston, NJ under NAVTRASYSSEN Contract No. N61339-71-C-0244.

LOCAL STOCK NUMBER:

6920-LL-C00-3323